

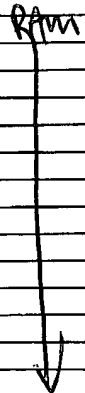
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PTO/SB/08A (08-00)

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| Substitute for form 1449A/PTO <div style="border: 2px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">OFFICE OF PATENT & TRADEMARKS</div> <div style="text-align: center;"> MAY 08 2002 CAB </div> </div> | | Complete If Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Application Number | 10/078,601 |
| | | Filing Date | February 19, 2002 |
| | | First Named Inventor | Xiaoming Ren et al. |
| | | Group Art Unit | 3753 |
| | | Examiner Name | Not yet assigned |
| | | Attorney Docket Number | 107044-0013 |
| Sheet | 1 | of | 2 |

| U.S. PATENT DOCUMENTS | | | | | | |
|--|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials * | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| RAM  | 1 | 4,673,624 | | Hockaday | 06/16/1987 | |
| | 2 | 4,810,597 | | Kumagai et al. | 03/07/1989 | |
| | 3 | 5,523,177 | | Kosek et al. | 06/04/1996 | |
| | 4 | 5,573,866 | | Van Dine et al. | 11/12/1996 | |
| | 5 | 5,599,638 | | Surampudi et al. | 02/04/1997 | |
| | 6 | 5,631,099 | | Hockaday | 05/20/1997 | |
| | 7 | 5,723,228 | | Okamoto | 03/03/1998 | |
| | 8 | 5,759,712 | | Hockaday | 06/02/1998 | |
| | 9 | 5,766,786 | | Fleck et al. | 06/16/1998 | |
| | 10 | 5,773,162 | | Surampudi et al. | 06/30/1998 | |
| | 11 | 5,795,668 | | Banerjee | 08/18/1998 | |
| | 12 | 5,916,699 | | Thomas et al. | 06/29/1999 | |
| | 13 | 5,945,231 | | Narayanan et al. | 08/31/1999 | |
| | 14 | 5,992,008 | | Kindler | 11/30/1999 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|--------------------------------------|---|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ₀ |
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| <p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> | | <p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td style="width: 50%;">10/078,601</td></tr><tr><td>Filing Date</td><td>February 19, 2002</td></tr><tr><td>First Named Inventor</td><td>Xiaoming Ren et al.</td></tr><tr><td>Group Art Unit</td><td>3753</td></tr><tr><td>Examiner Name</td><td>Not yet assigned</td></tr><tr><td>Attorney Docket Number</td><td>107044-0013</td></tr></table> | | Application Number | 10/078,601 | Filing Date | February 19, 2002 | First Named Inventor | Xiaoming Ren et al. | Group Art Unit | 3753 | Examiner Name | Not yet assigned | Attorney Docket Number | 107044-0013 |
| Application Number | 10/078,601 | | | | | | | | | | | | | | |
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| Group Art Unit | 3753 | | | | | | | | | | | | | | |
| Examiner Name | Not yet assigned | | | | | | | | | | | | | | |
| Attorney Docket Number | 107044-0013 | | | | | | | | | | | | | | |
| Sheet | 2 | of | 2 | | | | | | | | | | | | |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| RAM ↓ | 1 | "Fuel Cell", 1992 Fuel Cell Seminar, Program and Abstracts, pp. 233-236, 461-464. | No date available |
| | 2 | "Miniaturized Fuel Cells for Portable Power", Helen L. Maynard and Jeremy P. Meyers, Lucent Technologies, 2000. | |
| | 3 | "Pocket-size PEMs", Paul Sharke, Mechanical Engineering. | |
| | 4 | "Polymer Electrolyte Fuel Cells as Potential Power Sources for Portable Electronic Devices", Shinsion Gottesfeld and Mahlon S. Wilson, pp. 486-517. | |
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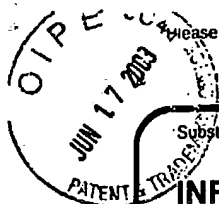
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

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U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| | | Number | Kind Code ² (if known) | | | |
| RAM | 1 | 4,046,956 | | Panciullo | 09/06/1977 | |
| | 2 | 4,478,917 | | Fujita et al. | 10/23/1984 | |
| | 3 | 4,562,123 | | Shimizu et al. | 12/31/1985 | |
| | 4 | 4,593,534 | | Bloomfield | 06/10/1986 | |
| | 5 | 5,460,896 | | Takada et al. | 10/24/1995 | |
| | 6 | 5,629,104 | | Crawford, Sr. et al. | 05/13/1997 | |
| | 7 | 5,686,200 | | Barton et al. | 11/11/1997 | |
| | 8 | 5,925,476 | | Kawatsu | 07/20/1999 | |
| | 9 | 6,130,175 | | Rusch et al. | 10/10/2000 | |
| | 10 | 6,232,010 | B1 | Cisar et al. | 05/15/2001 | |
| | 11 | 6,248,469 | B1 | Formato et al. | 06/19/2001 | |
| | 12 | 6,265,093 | B1 | Surampudi et al. | 07/24/2001 | |
| | 13 | 6,303,244 | B1 | Surampudi et al. | 10/16/2001 | |
| | 14 | 6,322,917 | B1 | Acker | 11/27/2001 | |
| | 15 | 6,350,540 | B1 | Sugita et al. | 02/26/2002 | |
| | 16 | 6,387,559 | B1 | Koripella et al. | 05/14/2002 | |
| | 17 | 6,410,180 | B1 | Cisar et al. | 06/25/2002 | |
| | 18 | 6,420,059 | B1 | Surampudi et al. | 07/16/2002 | |
| | 19 | 6,447,943 | B1 | Peled et al. | 09/10/2002 | |
| | 20 | 6,458,479 | B1 | Ren et al. | 10/01/2002 | |

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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ₆ |
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| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| RAM | 1 | EP | 0 907 979 | B1 | Luft et al. | 03/15/2000 | | |
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| Attorney Docket Number | 107044-0013 |

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U.S. PATENT DOCUMENTS

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| | |
|------------------------|---------------------|
| Application Number | 10/078,601 |
| Filing Date | February 19, 2002 |
| First Named Inventor | Xiaoming Ren et al. |
| Group Art Unit | 3753 |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | 107044-0013 |

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|---------------------|-----------------------|--|--|
| RAM | 1 | International Search Report for International Application No.: PCT/US03/04766, International Filing Date: 02/18/2003, all pages. | |
| RAM | 2 | Lubovskiy, V.V. et al., SYSTEM FOR MONITORING AND REGULATING FUEL CONCENTRATION IN AN ANOLYTE, USSR Author's Certificate, SU 1,610,522 A1, International Classification 5 H 01 M 8/04, Application Date: 09/15/1988, Published: 11/30/1990, all pages. | |
| X | 3 | United States Reissued Patent No.: US RE37,656 E, Reissue Date: 04/16/2002, ELECTRODE APPARATUS CONTAINING AN INTEGRAL COMPOSITE MEMBRANE, Bahar et al., all pages. | |
| X | 4 | United States Patent Application Publication, Publication No.: US 2002/0076599 A1, Publication Date: 06/20/2002, DIRECT METHANOL FUEL CELL INCLUDING A WATER MANAGEMENT SYSTEM AND METHOD OF FABRICATION, Neutzler et al., all pages. | |
| X | | United States Patent Application Publication, Publication No.: US 2002/0155341 A1, Publication Date: 10/24/2002, SELF-MANAGING ELECTROCHEMICAL FUEL CELL AND FUEL CELL ANODE, Finkelshtain et al., all pages. | |
| X | | United States Patent Application Publication, Publication No.: US 2002/0172851 A1, Publication Date: 11/21/2002, METHODS AND APPARATUSES FOR MANAGING EFFLUENT PRODUCTS IN A FUEL CELL SYSTEM, Corey et al., all pages. | |
| X | | United States Patent Application Publication, Publication No.: US 2002/0197522 A1, Publication Date: 12/26/2002, FUEL CELL ASSEMBLY FOR PORTABLE ELECTRONIC DEVICES AND INTERFACE, CONTROL, AND REGULATOR CIRCUIT FOR FUEL CELL POWERED ELECTRONIC DEVICE, Lawrence et al., all pages. | |
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